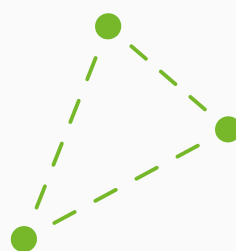
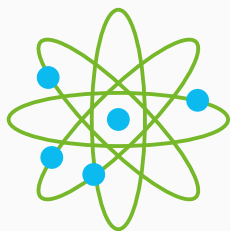


THE EPS FORUM

02>03 JUNE 2022

CONFERENCE CENTER
SORBONNE UNIVERSITY
PARIS, FRANCE

epsforum.org



**THE EUROPEAN PHYSICAL
SOCIETY (EPS),
TOGETHER WITH ITS
\ 42 MEMBER SOCIETIES,
\ 18 DIVISIONS AND GROUPS,
\ 40 ASSOCIATE MEMBERS,
IS PLEASED TO WELCOME
YOU TO THE FIRST EDITION
OF THE EPS FORUM IN PARIS.**

The format of the EPS Forum includes a series of conferences, round tables and workshops on the following topics:

- Energy and sustainability,
- Accelerators, high-energy particle physics, nuclear physics,
- Quantum technologies and photonics,
- Machine learning and artificial intelligence,
- Biophysics, technological sequencing of biomolecules and human health,
- Condensed matter physics: from quantum materials to additive manufacturing.

The EPS Forum showcases the latest developments in the above fields of physics both from their potential links with the industry and current opportunities of employment for the young generation of physicists and from the most recent achievements in fundamental science.

The EPS Forum dedicates two days for each of these goals.

THURSDAY, 2nd JUNE

PHYSICS MEETS INDUSTRY

BRINGING TOGETHER INDUSTRY AND ACADEMIA

The programme of “Physics Meets Industry” covers a broad spectrum of scientific themes in various formats:

- From conferences and round tables (energy and sustainability, accelerators, high-energy particle physics, nuclear physics, quantum technologies and photonics, machine learning and artificial intelligence, biophysics, technological sequencing of biomolecules and human health).
- Interactive workshops on accelerators, particle and nuclear physics, different **hands-on sessions** on a quantum demonstrator and quantum softwares, and a **masterclass** on scientific writing.
- A poster session especially prepared for young researchers working in industry or academia.
- A privileged “meeting place” for young researchers to exchange with representatives from European companies and other participants.

Mariya **GABRIEL**, European Commissioner for Innovation, Research, Culture, Education and Youth will open the EPS Forum.

Day 1 “Physics meets Industry” is an exceptional event for Master, PhD students and Postdoc fellows from all over Europe.

→ To be introduced to the exciting research opportunities available in big industries, SMEs and start-ups.

→ To enhance the physics doctoral degree to the industrial sector.

→ To encourage a dialogue between young graduates, enterprise and academic research institutions in order to close the gap between industry and academia.

→ To enjoy a Trade Fair for meeting enterprises, R&D experts and offering them a pool of talented young graduates in physics.

FRIDAY, 3rd JUNE

A SCIENTIFIC AND SOCIETAL COLLOQUIUM

A particularity of the EPS Forum is to offer, within the same event, the possibility of promoting our young researchers to industrial partners, and also sharing with them the latest achievements in physics by the most renowned experts in various areas in physics.

Day 2 proposes a series of conferences and round tables on the same scientific themes as addressed during Day 1, but from a more fundamental point of view.

Highlights for Day 2 will include plenary talks by three Nobel Prize Laureates:

- Barry **BARISH** (Nobel Prize in Physics, 2017),
- Serge **HAROCHE** (Nobel Prize in Physics, 2012),
- John Michael **KOSTERLITZ** (Nobel Prize in Physics, 2016).

Andrzej **JAJSZCZYK**, Vice-President of the European Research Council (ERC) for Physical sciences and Engineering domain will deliver a keynote talk.

Besides, the EPS Forum will host leadership and societal meetings in the form of round tables and conferences:

→ Young Minds Leadership Meeting Workshop session on “From PhD to CEO”

→ Round Table on Physics and Society

→ Round Table on Physics Education

→ Internal Meetings between the EPS Member Societies.

$$H(t)|\psi(t)\rangle = i\hbar \frac{d}{dt} |\psi(t)\rangle$$

PROGRAMME



JUNE, 2nd | 9:00 → 9:45 | AUDITORIUM

EU COMMISSIONER MARIYA GABRIEL

European Commissioner for Innovation, Research, Culture, Education and Youth, Brussels, Belgium

"Filling the gap between science and innovation"

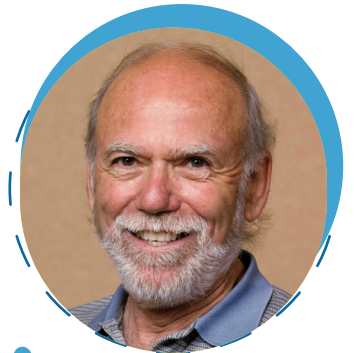


JUNE, 3rd | 8:30 → 9:15 | AUDITORIUM

PROF. BARRY BARISH

Laureate of the 2017 Nobel Prize in Physics, University of California at Los Angeles, USA

"Gravitational waves from detections to a new science"



JUNE, 3rd | 10:00 → 10:45 | AUDITORIUM

PROF. JOHN MICHAEL

KOSTERLITZ

Laureate of the 2016 Nobel Prize in Physics, Brown University, Providence, RI, USA

"State selection in driven out of equilibrium systems. Noisy stabilized Kuramoto-Sivashinsky equation"

JUNE, 3rd | 9:15 → 10:00 | AUDITORIUM

PROF. SERGE HAROCHE

Laureate of the 2012 Nobel Prize in Physics, École Normale Supérieure & Collège de France, Paris, France

"Power and strangeness of quantum physics"



JUNE, 3rd | 11:15 → 12:00 | ROOM 106

PROF. ANDRZEJ JAJSZCZYK

European Research Council Vice-President, Brussels, Belgium

"ERC and its widening participation activities"





REGISTRATION: 8:00 → 11:30

Foyer Auditorium

	AUDITORIUM	ROOM 102 & Foyer	ROOM 105	ROOM 107
8:30	WELCOME L. BERGÉ, EPS President & Sorbonne University and CNRS Representatives.			
8:45				
9:00	TALK M. GABRIEL, European Commissioner for Innovation, Research, Culture, Education and Youth. "Filling the gap between science and innovation"			
9:15				
9:30				
9:45	SESSION CHAIR G. MEDIN, University of Montenegro, Podgorica, Montenegro.			
10:00				
10:15	TALK A. LOARTE, ITER, France. "Physics basis and status of the ITER Project, the first fusion reactor under construction"			
10:30				
10:45	TALK M. PLESKO, Cosylab, Slovenia. "Should physicists make science or money - or both?"			
11:00		COFFEE BREAK		
11:30	SESSION CHAIR R. ZELTNER, EPS Young Minds Chair, Germany.	SCIENTIFIC POSTER SESSION		ROUND TABLE "Materials and emerging technologies for a digital world." M.J. CALDERON (moderator) , ICMM-CSIC, Madrid, Spain. V. GIESZ , Cofounder & CEO at Quandela, France. G. HLAWACEK , Group leader ion induced nanostructures at Helmholtz-Zentrum Dresden-Rossendorf, Germany. D. RAVELOSONA , CTO/CSO, Cofounder of INTEGnano, France. T. PERONNIN , CEO and Cofounder at Alice & Bob, France. F. SCHMITT , Head of Research Microscopy at ZEISS, France.
11:45				
12:00				
12:15	TALK I. STRÜMKE, Simula, Norway. "Explaining AI: why and why not"			
12:30	LUNCH BREAK			



PROGRAMME DAY 1 | MORNING

🕒	ROOM 109	ROOM 106	ROOM 108	ROOM 116 meeting/hands-on sessions
8:30				
8:45		<p>WELCOME R. ZELTNER, EPS Young Minds Chair.</p>		
9:00		<p>EPS YOUNG MIND CHAIR PRESENTATION R. ZELTNER, EPS Young Minds Chair.</p>		
9:15				
9:30				
9:45				
10:00		<p>YOUNG MINDS LEADERSHIP MEETING - NETWORKING EVENT</p>		
10:15				
10:30				
10:45				
11:00	COFFEE BREAK			
11:30			<p>SESSION CHAIR E. NAPPI, INFN, Unit of Bari, Italy.</p>	<p>HANDS-ON "QUANTUM DEMONSTRATOR" S. KUBSKY, Soleil Synchrotron, France. J. MEIER (online), Felix Bloch Institute, University of Leipzig, Germany.</p>
11:45			<p>WORKSHOP "Co-innovation between industry and academia in the field of particle accelerators" - Part I</p>	
12:00			<p>M. VRETENAR, CERN, Switzerland. "The EU Support to accelerator Co-innovation: the IFAST Programme"</p>	
12:15			<p>D. NEWBOLD, STFC Rutherford Appleton Laboratory, UK Research & Innovation, UK. "Outcome and conclusions of the ECFA accelerator R&D roadmap"</p>	
12:30	LUNCH BREAK			

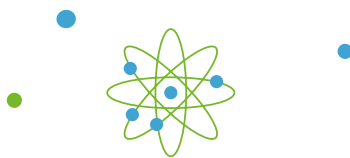




🕒	AUDITORIUM	ROOM 102 & Foyer	ROOM 105	ROOM 107
14:00	SESSION CHAIR M. J. CALDERON , ICMM-CSIC, Spain.			
14:15	TALK A. CANDELLI , LUMICKS, The Netherlands. "Investigating force-dependent biological mechanisms in cancer therapies"			
14:30				
14:45	TALK F. GONZALES-ZALBA , Quantum Motion, United Kingdom. "Using silicon to develop useful quantum computers"			
15:00		SCIENTIFIC POSTER SESSION		
15:15	ROUND TABLE "Energy and sustainability" C. ROSSEL (moderator) , IBM Zürich & EPS, Switzerland. G. BEDON , Head of Modelling Solutions, Ørsted, Denmark. S. BERLIJN , Head of Division Energy Systems, KTH Royal Institute of Technology, Stockholm, Sweden. D. CHARTOUNI , Corporate Research Fellow on Energy Storage, ABB, Switzerland. P. SERRE-COMBE , Deputy Managing Director of Energy Programs, CEA, France. N. SCHMITT , R&D Scientific Director for Europe, Air Liquide, France.		ROUND TABLE "From Physicist to Data Scientist" J. LEIRIA (moderator) , University of Coimbra, Portugal. J. BOBIN , Researcher at CEA Saclay, Signal processing/Astrophysics, Saclay, France. T. BRUNSCHWILLER , Smart System Applications at IBM Research, Zurich, Switzerland. K. NILSSON , PeripherAi, Germany. N. ROSA , Data scientist at Closer Consulting, Lisbon, Portugal. I. STRÜMKE , Adjunct Research Scientist at Simula, Oslo, Norway.	ROUND TABLE "Physics for life: the single molecule revolution" F. RITORT (moderator) , Small Biosystems Lab, University of Barcelona, Spain. P. BAASKE , Cofounder & CEO of NanoTemper, Germany. M. RIBEZZI-CRIVELLARI , ESPCI Paris-Tech and Group Leader, Directed Evolution at Quantum-Si, France. L. JAYASINGHE , Vice-President, R&D - Oxford Nanopore Technologies, Oxford, UK. L. ODDERSHEDE , Senior Vice President, Novo Nordisk Foundation, Denmark. W. PEUTZ , Head of Sales & Customer Success at LUMICKS, The Netherlands J-P. SOBCZAK , CEO of Tilbit nanosystems GmbH, Munich, Germany.
15:30				
15:45				
16:00	COFFEE BREAK			
16:30	ROUND TABLE "Cooperation between research institutions and industry for exploring the universe and study dark matter and energy" R. LAUREIJS (moderator) , Euclid Project Scientist, ESA/ESTEC, The Netherlands. M. BERTHE , CEA, France. L. BROUARD , Euclid Telescope project manager, Airbus Defense and Space, France. P. MUSI , Director DESI Science Programs, Thales Alenia Space, Italy. I. SWINDELLS , Infrared Product Development Manager, Teledyne e2v, UK. I. Y. VIEIRA , Chief Technical Officer, LusoSpace, Lisbon, Portugal.	SCIENTIFIC POSTER SESSION		
16:45				
17:00				
17:15				
17:30				
17:45				
18:00	END OF DAY 1			

PROGRAMME DAY 1 | AFTERNOON

	ROOM 109	ROOM 106	ROOM 108	ROOM 116 meeting/hands-on sessions
14:00				
14:15			WORKSHOP "Co-innovation between industry and academia in the field of particle accelerators." – Part II	
14:30				
14:45			ROUND TABLE "Societal applications of accelerator technologies" M. MORANDIN (moderator), INFN, Italy.	
15:00			M. PLESKO , CEO and founder of Cosylab, Slovenia. A. PELLECCCHIA , Director of ASG Superconductors SpA, Italy. J. MANDRILLON , Accelerator Physicist at IBA, Belgium. S. DAHL-PETERSEN , General Sales Manager at Danfysik, Denmark. S. GAMMINO , Director of Laboratori Nazionali del Sud - INFN, Italy.	QISKIT WORKSHOP "Quantum Computing with Qiskit" S. PFAENDLER , P. OLLITRAULT & H. RIEL , IBM Research, Switzerland
15:15	ROUND TABLE "Quantum computing: where are we heading?" E. SÁNCHEZ BAUTISTA (moderator), EPS Policy Officer, Brussels, Belgium. J. GOETZ , CEO & Cofounder of IQM, Finland. L. HENRIET , CTO, PASQAL, France. A. LANDRAGIN , IXBlue, Cofounder of MUQUANS, France. H. RIEL , Head Science & Technology, IBM Research, Switzerland. P. SENELLART-MARDON , Cofounder of QUANDELA, Palaiseau, France.			
15:30				
15:45				
16:00	COFFEE BREAK			
16:30				
16:45				
17:00		SESSION CHAIR Y. AMOUROUX , Director at OPTICA Europe, UK.		
17:15		TALK J. F. MORIZUR , Founder & CEO, Cailabs, France. "From PhD to CEO: making an exciting leap into business"		
17:30				
17:45				
18:00	END OF DAY 1			



REGISTRATION: 8:00 → 11:30

Foyer Auditorium

	AUDITORIUM	ROOM 102	ROOM 105	ROOM 107
8:15	<p>SESSION CHAIR L. BERGÉ, EPS President.</p> <p>OPENING: NOBEL SESSION</p>			
8:30	<p>TALK B. BARISH, 2017 Nobel Prize in Physics, University of California at Los Angeles, USA. "Gravitational waves from detections to a new science"</p>			
8:45				
9:00				
9:15	<p>TALK S. HAROCHE, 2012 Nobel Prize in Physics, École Normale Supérieure & Collège de France, Paris, France. "Power and strangeness of quantum physics"</p>			
9:30				
9:45				
10:00	<p>TALK J.M. KOSTERLITZ, Nobel Prize in Physics, Brown University, Providence, RI, USA. "State selection in driven out of equilibrium systems - Noisy stabilized Kuramoto-Sivashinsky equation"</p>			
10:15				
10:30				
10:45	COFFEE BREAK			
11:15	<p>SESSION CHAIR C. AGODI, INFN, Italy.</p>			
11:30	<p>TALK F. SCIARRINO, University of Rome La Sapienza, Italy. "The quest of quantum advantage with an integrated photonics platform"</p>		<p>SESSION CHAIRS F. RITORT, University of Barcelona, Spain. R. ZELTNER, EPS Young Minds Chair, Germany.</p> <p>PARALLEL SESSION "Single-molecule biophysics"</p> <p>H. BAYLEY, Oxford University, UK. "Towards enzyme-free nanopore sequencing of biopolymers"</p> <p>U. KEYSER, Cambridge University, UK. "Nanopore microscope identifies RNA isoforms with structural colours"</p>	<p>SESSION CHAIRS J. M. DE TERESA, INMA, CSIC-University of Zaragoza, Spain.</p> <p>PARALLEL SESSION "Condensed matter physics: basic science, quantum materials and additive manufacturing"</p> <p>M. VARELA, University Complutense of Madrid, Spain. "When every atom counts: the nanoscale electron microscopy revolution"</p> <p>O. DOBROVOLSKIY, University of Vienna, Austria. "Direct-write 3D nano-architectures for superconductivity and magnetism"</p>
11:45				
12:00				
12:15	<p>TALK J.C. KIEFFER, INRS, Québec, Canada & ELI ERIC, Scientific Advisor. "Overview of recent scientific achievements at ELI and opening of the first ELI-ERIC call for users"</p>			
12:30				
12:45	LUNCH BREAK			

PROGRAMME DAY 2 | MORNING

	ROOM 109	ROOM 106	ROOM 108	ROOM 116 meeting/hands-on sessions
8:15				
8:30				
8:45				
9:00				
9:15				
9:30				
9:45				
10:00				
10:15				
10:30				
10:45	COFFEE BREAK			
11:15		<p>SESSION CHAIR E. SÁNCHEZ BAUTISTA, EPS Policy Officer, Brussels, Belgium.</p>		
11:30		<p>TALK A. JAJSZCZYK, Vice-President European Research Council, Europe "ERC and its widening participation activities"</p>		
11:45		<p>HANDLING ISE RECOMMENDATIONS TO ERC</p>		<p>HANDS-ON SESSION "PERCEVAL" J. SENELLART, Head of software engineering, Quandela, France. P.-E. EMERIAU, Quantum information scientist, Quandela, France.</p>
12:00	<p>YOUNG MINDS LEADERSHIP MEETING TALK G. GALATI, University of Bari Aldo Moro, INFN, Italy. "Science in the spotlight: importance and compromises of bringing research to the general public"</p>	<p>ROUND TABLE "ERC & Widening Participation" E. SÁNCHEZ (moderator), EPS Policy Officer, Brussels, Belgium. S. KOSTKA, National Science Centre, Poland. K. ZACH, DPG representative, Germany. M. SPIRO, IUPAP President and Chair of the IYBSSD 2022, France. G. DJORDJEVIC, University of Nis & President of the Balkan Physical Union, Serbia. R. CONSTANTINESCU, EPS – Chair of the European Integration Committee, Romania.</p>		
12:15				
12:30				
12:45	LUNCH BREAK			

	AUDITORIUM	ROOM 102	ROOM 105	ROOM 107
13:45	SESSION CHAIR A. LIPNIAKA, University of Bergen, Norway.		SESSION CHAIR F. RITORT, University of Barcelona, Spain.	SESSION CHAIR J. M. DE TERESA, INMA, CSIC-University of Zaragoza, Spain
14:00	TALK J. PEINKE, Oldenburg University, Germany. "Turbulence research and wind energy"		PARALLEL SESSION "Single-molecule biophysics"	PARALLEL SESSION "Condensed matter physics: basic science, quantum materials and additive Manufacturing"
14:15			A. RADENOVIC, EPFL, Lausanne, Switzerland. "From ions to cell images"	G. FÈVE, ENS, Paris, France. "Investigating the fractional statistics of anyons using tiny electronic colliders"
14:30			F. VOLLMER, University of Exeter, UK. "Molecules on whispering gallery modes: single molecule sensing and beyond"	S. BÜHLER PASCHEN, Vienna University of Technology, Austria. "Strongly correlated quantum materials stepping up"
14:45	TALK M. DURANTE, GSI, Darmstadt, Germany. "Technological and health issues for long duration human exploratory space missions"			
15:00				
15:15	TALK V. SANDOGHDAR, Max Planck Institute for the Science of Light, Germany. "Label-free detection and microscopy of biological matter at the sensitivity limit"			
15:30				
15:45				
16:00	COFFEE BREAK			
16:30	ROUND TABLE "Future research related to accelerators, particle and nuclear physics"	YM SECTION ACTIVITIES POSTER SESSION		
16:45	T. PEÑA (moderator), University of Lisbon and LIP, Portugal E. RABINOVICI (moderator), President of the CERN Council, Geneva, Switzerland.			
17:00	N. ALAHARI, Director of GANIL, Caën, France. P. COYLE, IN2P3 & Centre de Physique des Particules de Marseille, France. P. GIUBELLINO, Scientific Managing Director of GSI and FAIR, Darmstadt, Germany.			
17:15	S. KATSANEVAS, Director of the European Gravitational Observatory, Pisa, Italy. J. MNICH, Director for Research and Computing, CERN, Geneva, Switzerland.			
17:30				
17:45	SESSION CHAIRS L. BERGÉ, EPS President. EMMY NOETHER PRIZE CEREMONY S. BOLOGNESI, CEA-IRFU, France.	YOUNG MINDS CHAIR CONCLUSION		
18:00	END OF DAY 2			



PROGRAMME DAY 2 | AFTERNOON

	ROOM 109	ROOM 106	ROOM 108	ROOM 116
13:45				
14:00		YOUNG MINDS LEADERSHIP MEETING TALK A. MARINO , Board of Directors of the Italian Physical Society, National Council of Research Institute of Applied Science and Intelligent Systems - CNR ISASI, Italy. "Inside out the comfort zone"		ROUND TABLE "Improving the future supply of physics graduates through collaboration between schools and universities" D. SANDS (moderator) , University of Hull, United Kingdom. M. MICHELINI (moderator) , University of Udine, Italy. N. VITTORIO , II University of Rome, Tor Vergata, Rome, Italy. D. SOKOLOWSKA , University of Krakow, Krakow, Poland. M. KERSTING , University of Copenhagen, Denmark. P. HERON , University of Washington, Seattle, USA.
14:15				
14:30				
14:45	SESSION CHAIR J. BURGDÖRFER , Vienna University of Technology, Austria.		SESSION CHAIR C. BECK , Queen Mary University of London, United Kingdom.	
15:00	PARALLEL SESSION "Strong field physics and ultrafast spectroscopy" D. RUPP , ETH Zürich, Switzerland.	YOUNG MINDS LEADERSHIP MEETING ACTIVITIES	PARALLEL SESSION "Scientific challenges for sustainable energy systems" B. SCHAEFER , Karlsruhe Institute of Technology, Germany. "Data-driven analysis of the power grid frequency"	
15:15	"Filming the dance of matter with X-ray" G. CERULLO , Politecnico di Milano, Italy.		S. BERLIJN , KTH Stockholm, Sweden. "Challenges for energy systems in transition"	
15:30	"Coherent raman microscopy: from academic research to industrial exploitation"			
15:45				
16:00	COFFEE BREAK			
16:30	SESSION CHAIR J. BURGDÖRFER , Vienna University of Technology, Austria.	ROUND TABLE "Strengthening EPS member societies through structures for mutual support" G. ZWICKNAGL (moderator) , Member of the EPS Executive Committee and EPS Committee on European Integration. L. BERGÉ , President of the European Physical Society. A. BRACCO , President of the Italian Physical Society. G. WORMSER , President of the French Physical Society. R. CONSTANTINESCU , President of the EPS Committee on European Integration. R. YOUNGMAN , Deputy Chief Executive of the Institute of Physics. E. TUOMINEN , Nordic Countries and European Platform of Women Scientists. J. ULLRICH , President of the German Physical Society DPG.	SESSION CHAIR C. BECK , Queen Mary University of London, United Kingdom.	
16:45	PARALLEL SESSION "Strong field physics and ultrafast spectroscopy" V. MALKA , Weizmann Institute of Science, Rehovot, Israel. "Manipulating relativistic electrons with laser"		PARALLEL SESSION "Scientific challenges for sustainable energy systems" M. ANVARI , Potsdam Institute for Climate Impact Research, Germany. "Destructive interaction of extreme weather events with electrical networks"	MASTERCLASS "Scientific writing" A. RUIMY , EDP Sciences, France. & G. MUGA , EPL Editor in Chief, Bilbao, Spain.
17:00	L. BAÑARES , IMDEA Nanociencia, Madrid, Spain. "Chemistry in real time: the making of molecular movies with ultrafast lasers"		H. MEYER-ORTMANN , Jacobs University Bremen, Germany. "Arbitrage on the energy market analysed in terms of statistical physics"	
17:15				
17:30				
17:45				
18:00	END OF DAY 2			



PROGRAMME COMMITTEE

TOPIC #1

Energy and Sustainability

Christophe ROSSEL (referent)

Past EPS President,
Chair of the Technology
& Innovation Group

Christian BECK (referent)

Chair of the Statistical
& Nonlinear Physics Division

Jan MYLÑAR

President of the Czech
Physical Society

Jef ONGENA

Chair of the Energy Group

Marek DJUDINSKY

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Physical Society

Christian TEICHERT

Member of the Austrian
Physical Society

Holger KANTZ

Board member of the Statistical
& Nonlinear Physics Division

Benjamin SCHÄFER

Board Member
of the Statistical & Nonlinear
Physics Division

TOPIC #2

Accelerators, High-energy particle physics, Nuclear Physics

Eugenio NAPPI (referent)

EPS Executive Committee Member,
Board Member of the Technology
& Innovation Group

Gordana MEDIN (referent)

Board Member of the Technology
& Innovation Group

Anna LIPNIACKA (referent)

Board Member of the High-Energy
& Particle Physics Division

Clementina AGODI (referent)

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at EPS Council

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Member of the Portuguese
Physical Society

Teresa PEÑA

EPS Executive Committee Member,
Member of the Portuguese
Physical Society

Fotios PTOCHOS

Member of the Cyprus
Physical Society

TOPIC #3

Quantum technologies and photonics

Richard ZELTNER (referent)

Chair of the Young Minds Project

Giulio CERULLO

Chair of the Quantum Electronics
and Optics Division

Joachim BURGDÖRFER

Chair of the Atomic, Molecular
and Optical Physics Division

Alicia PALACIOS

Board Member of the Atomic,
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Ex-Officio Programme
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Massimo PALMA

Ex-Officio Programme
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TOPIC #4

Machine learning and Artificial Intelligence

Joana LEIRIA (referent)

Regular associate of the
Portuguese Physical Society,
Portuguese Association
of Physics Students

Enrique SÁNCHEZ BAUTISTA

(referent), EPS Policy Officer -
Brussels Office

Anna LIPNIACKA

Board Member of the High-Energy
& Particle Physics Division

Daryna PESINA

Member of the Young Minds
Action Committee

TOPIC #5

Biophysics, technological sequencing of biomolecules and human health

Felix RITORT (referent)

Chair of the Division
of Physics in Life

Richard ZELTNER

Chair of the Young Minds Project

Marek CIEPLAK

Board Member of the Polish
Physical Society

TOPIC #6

Condensed Matter Physics: Basic science, quantum materials, additive manufacturing

José Maria DE TERESA (referent)

Chair of the Condensed Matter
Physics Division

Maria José CALDERON

Board Member of the Condensed
Matter Physics Division

Istvan GROMA

Board Member of the Hungarian
Physical Society

Miroslav CIESLAR

Board Member of the Czech
Physical Society

Kees VAN DER BEEK,

EPS Executive Committee Member

Alain FONTAINE

Board member of the French
Physical Society

TOPIC #7

European Integration

Enrique SÁNCHEZ BAUTISTA

(referent), EPS Policy Officer -
Brussels Office

Joana LEIRIA

Regular associate of the Portuguese
Physical Society, Portuguese
Association of Physics Students

Hriprimse MYKRHTARIAN

Member of the Young Minds
Action Committee



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